

Department of meteorology

7. Forecasting Frost from Mountain Tops.

^{vertical}
A triangle of stations was established at Inverness, Mt Orose and Fellen to study passage of storms to determine, if the fall of temp. on Mt Orose



during storms could be used to forecast the fall of temp. in the valleys, particularly the ~~max~~ intensity of frost that should be expected by fruit-growers.

Such success had been announced by Prof. W. Lewis and Barnes from Mount Royal, at McGill College, Montreal and the verification of their theory would mean much for ^{Nevada and} the mountain states.

To accomplish the task without maintaining an observer on the summit as has been done ~~is done~~ is done elsewhere, a meteorograph was finally perfected by Prof. F. that would record all the principal phases of the weather, such as humidity, temp., pressure, wind direction + velocity for periods of six to eight weeks without attention, the largest range in such

The instruments are cared for and the record sheets changed ^{mostly} by voluntary observers. In connection with the survey, semi-official experiments have been made by the Department in orchard heating.

~~According to the~~

See
7 + friends

Close coop. is being planned with the U.S. W.D. in Canada with a view to ~~bringing~~ ^{+ completing} the ~~work~~ ^{press} extending the snow studies ~~in~~ ^{away} by the steps and with the view to ~~and~~ ^{to snow forecasts} and adapting them ~~to~~ ^{to} the entire States.

Year of Coöperation - -

I. Frost forecasting from Summits of Mts.

One-third positive, one-fourth negative, etc.

II. Timber and Snow.

Ideal Forest. Hedges vs More frequent Timber

Evaporation - Meas. - J.C. Stevens use of data for Walker Basin.

Snow Survey -

Samplers.

Coöp. with Reclamation Service.

Coöp. with Forest Service. in Preventing Brush and Forest Fires.

Quits + Methods to make rapid deterns of snow

III. Temp. Survey -

Truckee Meadows -

Thermograph -

Comparison of climates.

Home Records - 28° F.

Coöp. with Exp. Station at Fallon -

Stations at Pyramid, etc. stand Fallon -

Hours of snowing -

Purpose: late & long bloomers -

Publications - -

Eng. Record: Survey of Tahoe Watershed

Proceeds of Amer. Soc. of Civil Engineers - -

Extension of U. S. Service in Calif. (applicable also to Nevada - and now being adjusted -

* Great improvement at smaller price in mass. found.